TEAC®

SERVICE MANUAL

PX-500

Quartz Lock Direct Drive Turntable

PX-300

Direct Drive Turntable

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SERVICE MANUAL

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Effective: July, 1979 GC-90039 5704001600

1. GENERAL DESCRIPTION

This service manual contains complete alignment procedures for the PX-500 (Quartz Lock Direct Drive Turntable) and PX-300 (Direct Drive Turntable). Both models are very similar and most of the information applies to both models unless otherwise noted.

We have tried to keep this information as concise and yet complete as possible. If you have any questions concerning any of the procedures or find that the information is incomplete or difficult to understand, please feel free to contact the nearest TEAC Factory Service Department or write directly to a TEAC office.

TEAC addresses are printed on the back cover.

NOTE: When ordering replacement parts please refer to the PARTS LIST with this manual.

PX-500 **PX-300**

PARTS ORDERING INFORMATION

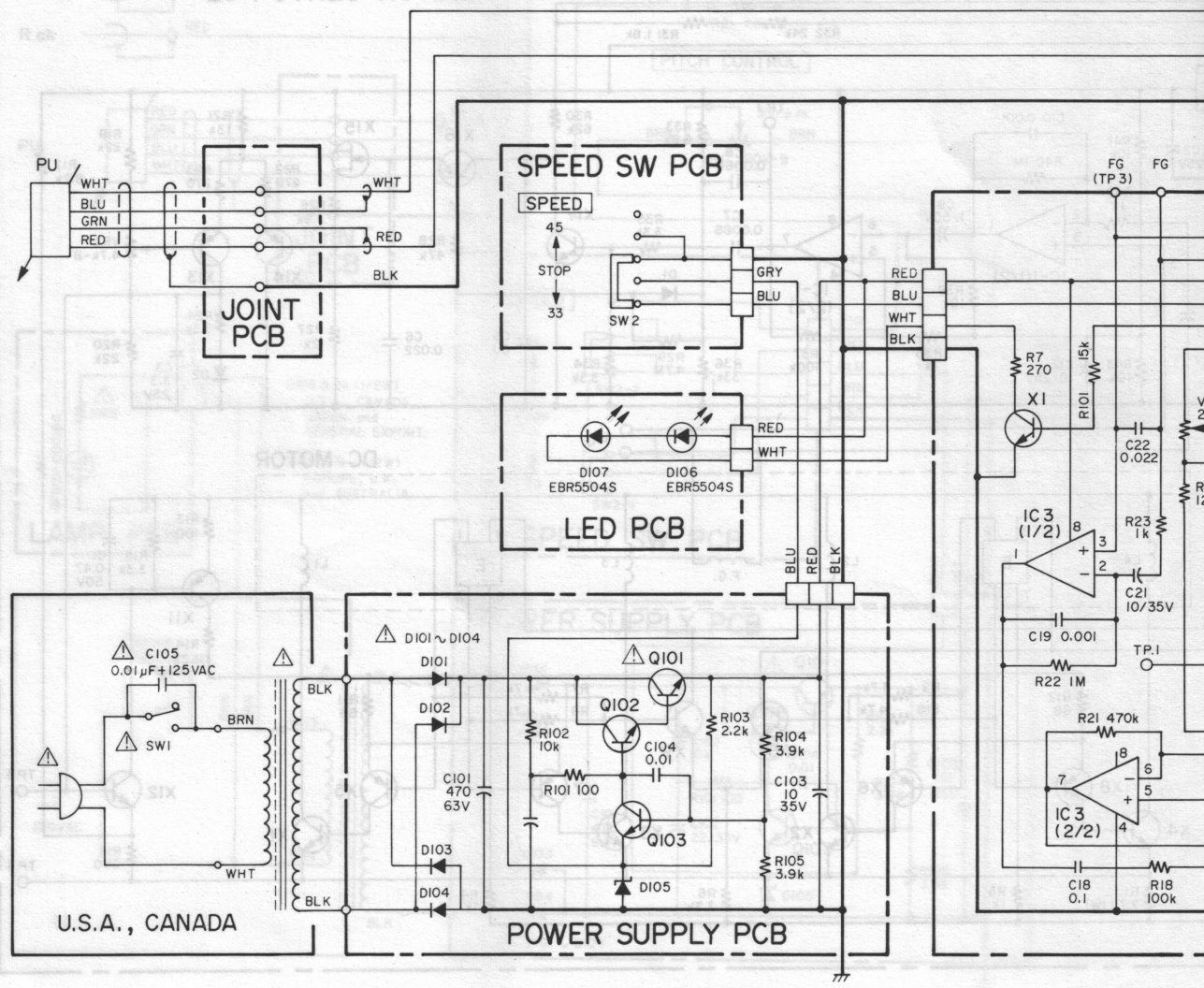
Spare parts are available through your nearest TEAC Autolized Service Center Directly from the TEAC office, the address of which is printed on the back cover. When ordering parts always include the information:

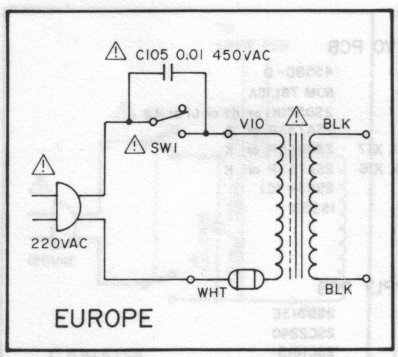
1. MODEL
2. REF.NO.
3. PARTS NO.
4. DESCRIPTION
5. UNIT SERIAL NO.
6. MANUAL CODE NO.

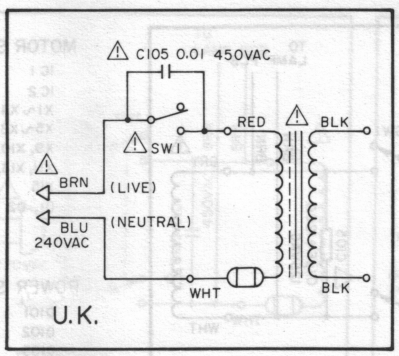
NOTICE REGARDING PARTS ORDERS

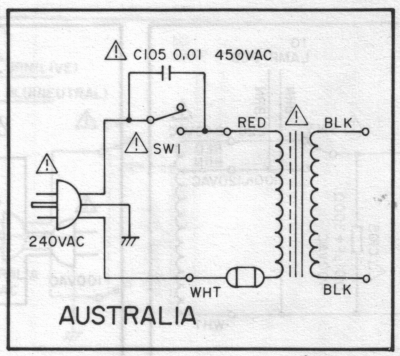
1. Do not order by REF. NO. only.
2. In some instances, individual minor parts are not available. In such a case, the entire assembly including the part requested will be sent to you.
3. Parts are identical between the different models with the exceptions noted in the REMARKS column.
4. PC Boards shown viewed from foil side.
5. Part marked with * require longer delivery time than regular parts.

⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components - refer to the TEAC Parts List and ensure exact replacement.









NOTES.

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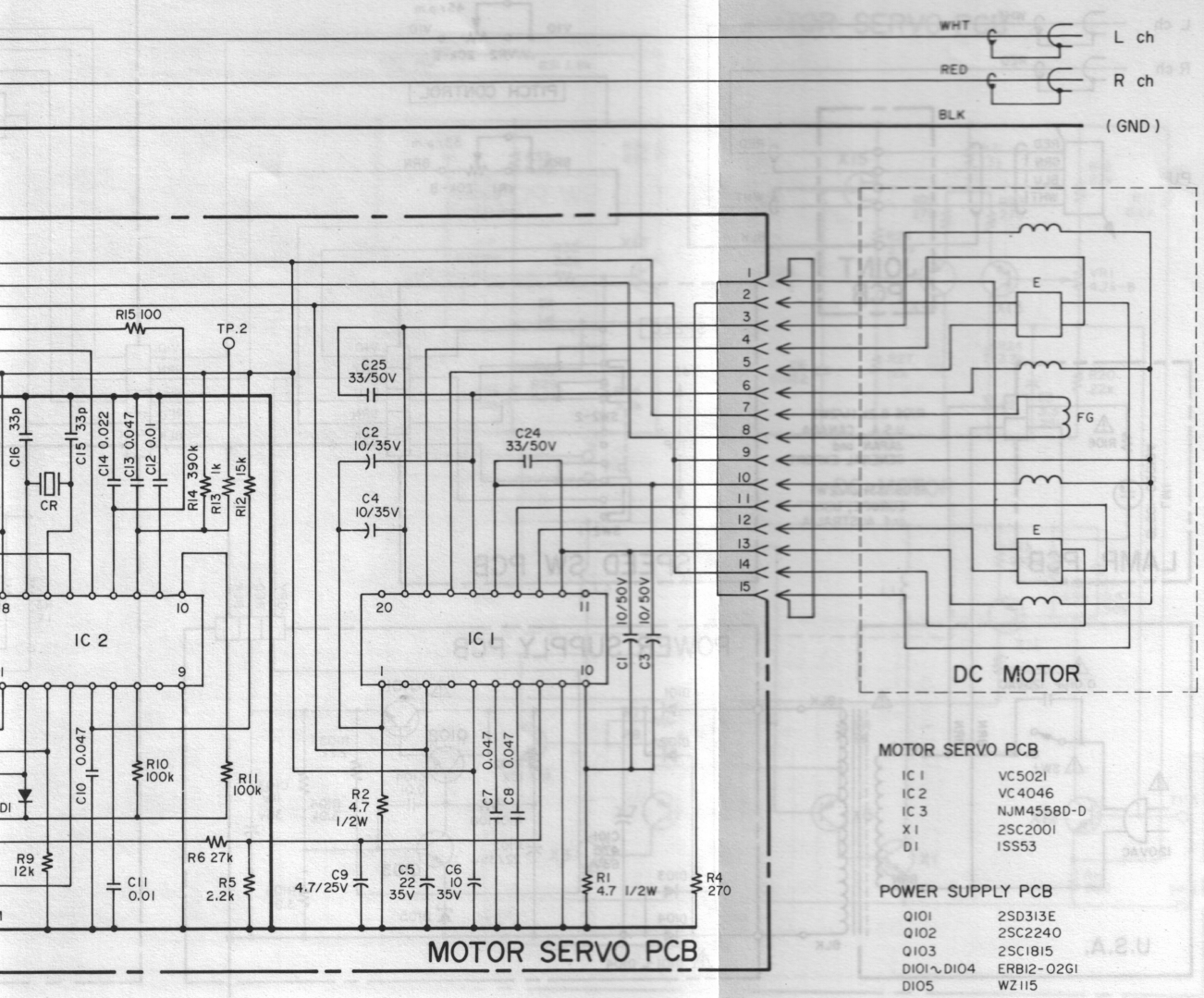
   RESISTOR VALUES ARE
2. ALL CAPACITOR VALU

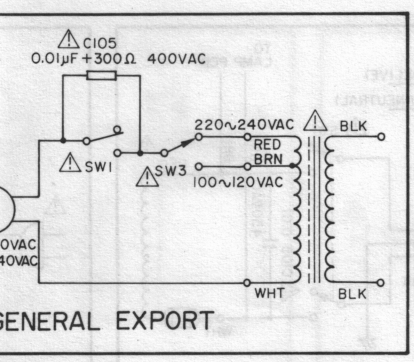


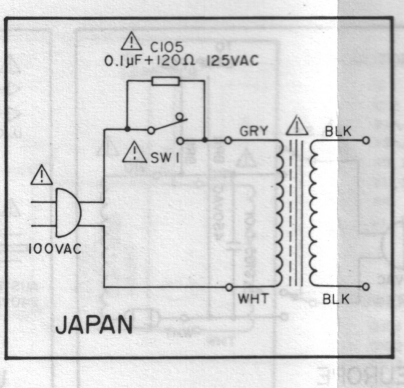
MOTOR SERVO PCB

IC 1	VC5021
IC 2	VC4046
IC 3	NJM4558D-D
X 1	2SC2001
D1	1SS53

POWER SUPPLY PCB

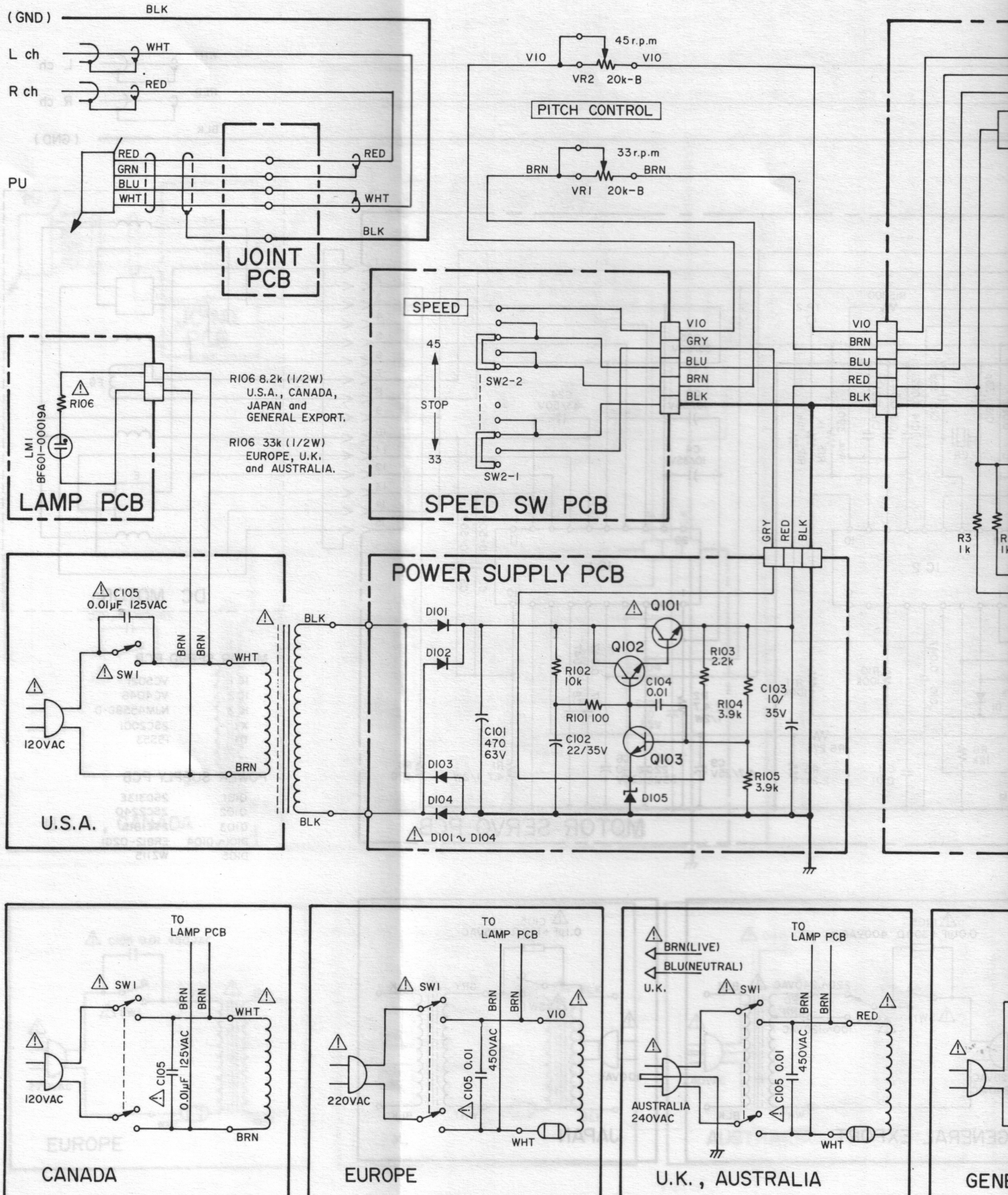
Q101	2SD313E
Q102	2SC2240
Q103	2SC1815
D101∼D104	ERB12-02G1
D105	WZ115





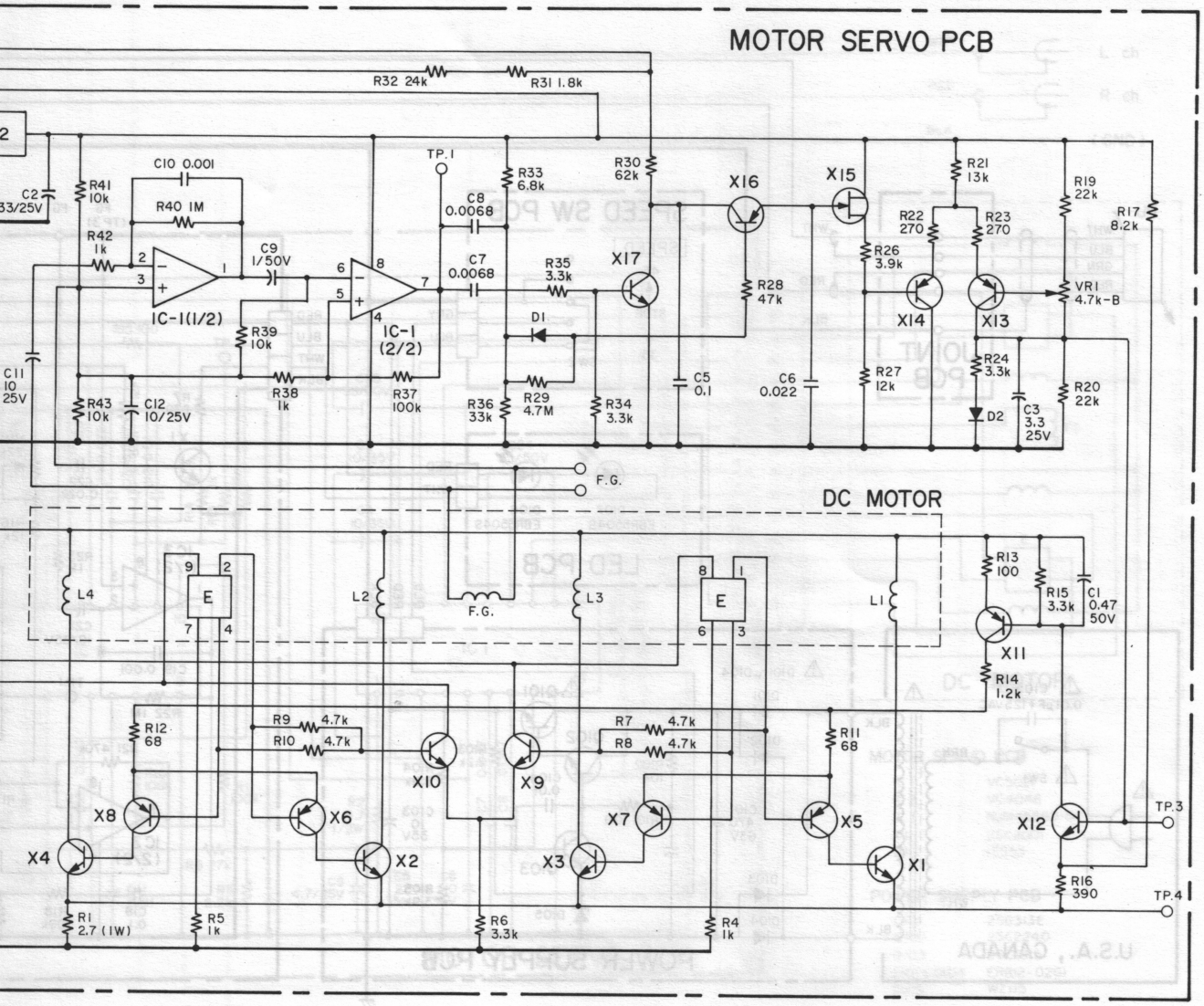
TT, 5%, UNLESS MARKED OTHERWISE.
HMS (k = 1,000 OHMS, M = 1,000,000 OHMS).
E IN MICROFARADS (p = PICOFARADS).

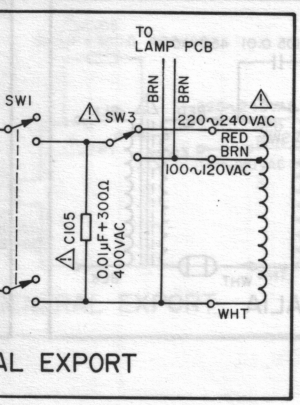
⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components - refer to the TEAC Parts List and ensure exact replacement.

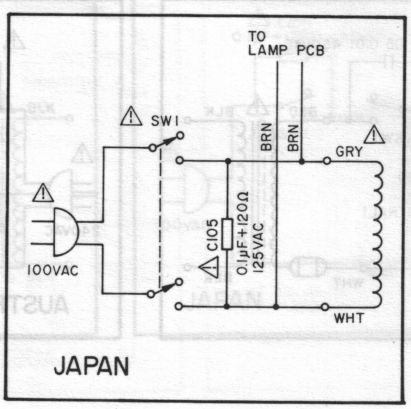


NOTES.

1. ALL RESISTORS ARE 1/4
   RESISTOR VALUES ARE
2. ALL CAPACITOR VALUE







MOTOR SERVO PCB

IC 1	4558D-D
IC 2	NJM 78L15A
X1∿X4	2SD571K1 or K2 or L1 or L2
X5∿X8	2SA733P or Q
X9, X10, X12, X17	2SC945P or K
X11, X13, X14, X16	2SA733P or K
X15	2SK34 (C)
D1, D2	1SS53

POWER SUPPLY PCB

Q101	2SD313E
Q102	2SC2240
Q103	2SC1815
D101∿D104	ERB12-02G1
D105	WZ115

ATT, 5%, UNLESS MARKED OTHERWISE.
OHMS (k = 1,000 OHMS, M = 1,000,000 OHMS).
RE IN MICROFARADS (p = PICOFARADS).

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2. SPECIFICATIONS

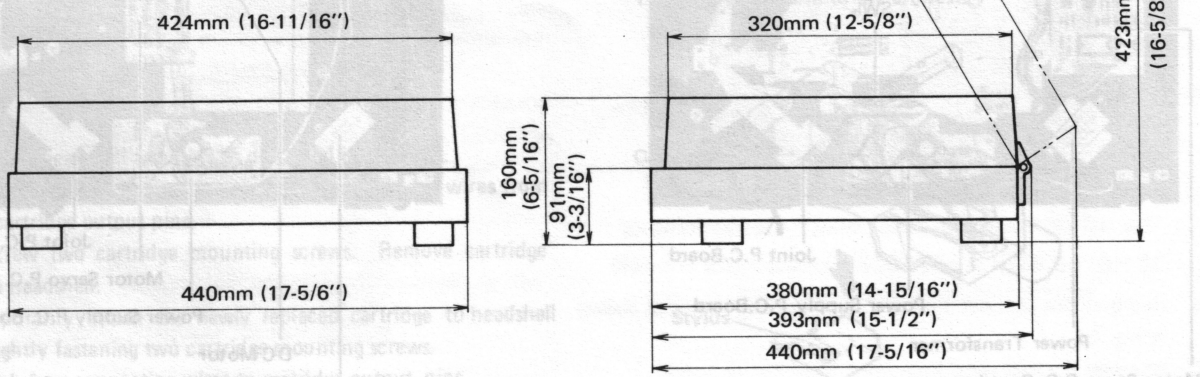
PX-500

Type	2 Speed, Semi-Auto System
Drive System	Direct Drive
Motor	Brushless and Slotless
Servo	Quartz Phase-Locked Control
Speed	33-1/3 & 45 rpm
Turntable	312 mm Diameter, Aluminium Alloy Diecast
Wow and Flutter	0.03% (Wrms)
Signal-to-Noise Ratio	70 dB (DIN B); 60 dB (IEC B)
Tone Arm	Static-Balanced, S-Shape with Gimbal-Suspension
Effective Length	220 mm
Applicable Cartridge Weight	4 – 9 g
Overhang	14 mm
Cartridge	VM Type (Audio Technica AT-10)
Frequency Response	20 Hz – 22 kHz
Output Voltage	3.5 mV
Appropiate Stylus Pressure	2.5 g
Stylus	0.6 mil Spherical Diamond
Load Impedance	47 k ohms
***Power Requirements**	100/117/220/240V AC 50/60 Hz (General Export Model) 117 V AC 60 Hz (U.S.A./Canada Model) 220 V AC 50 Hz (Europe Model) 240 V AC 50 Hz (U.K./Australia Model)
Power Consumption	9.5 Watts
Dimensions (W x H x D)	440 x 160 x 380 mm 17-5/16" x 6-5/16" x 14-15/16"
Weight	8.0 kg (17-10/16 lbs)

PX-300

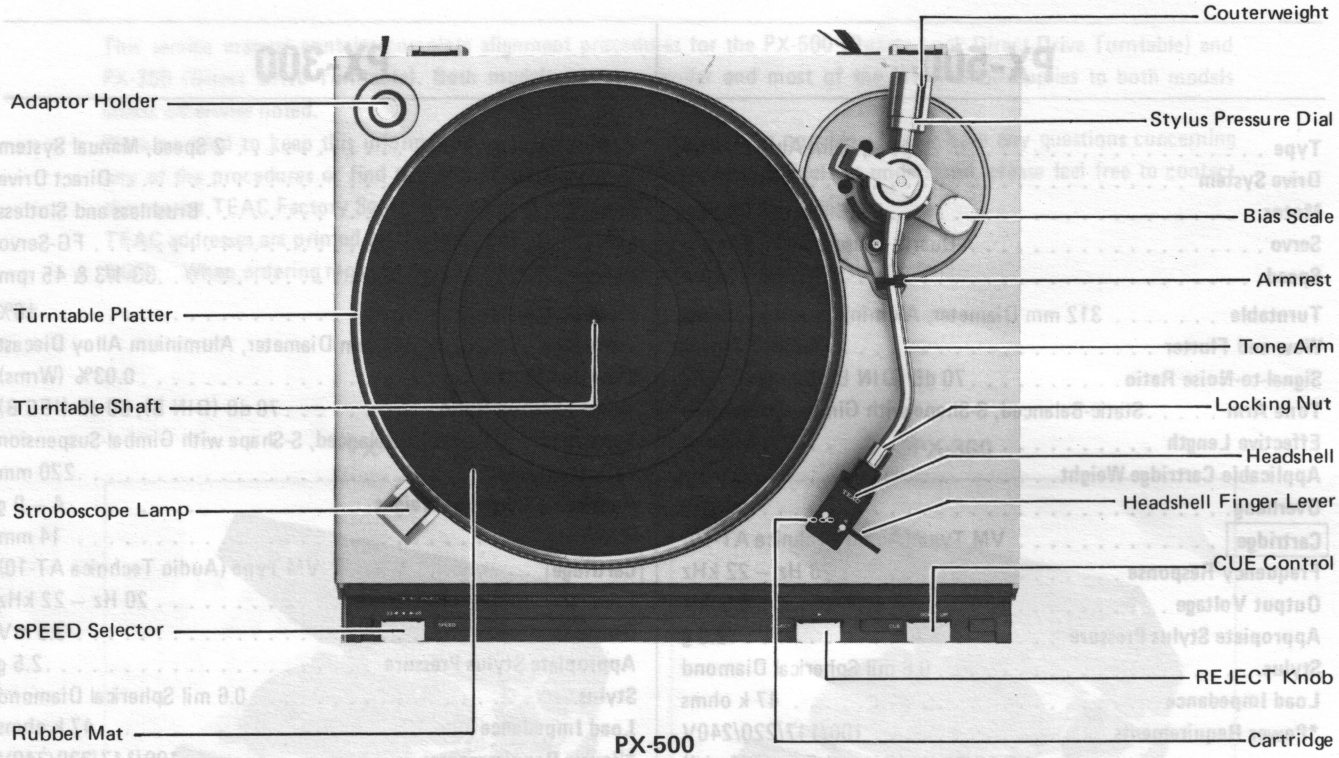
Type	2 Speed, Manual System
Drive System	Direct Drive
Motor	Brushless and Slotless
Servo	FG-Servo
Speed	33-1/3 & 45 rpm
Pitch Control	±6%
Turntable	312 mm Diameter, Aluminium Alloy Diecast
Wow and Flutter	0.03% (Wrms)
Signal-to-Noise Ratio	70 dB (DIN B); 60 dB (IEC B)
Tone Arm	Static-Balanced, S-Shape with Gimbal-Suspension
Effective Length	220 mm
Applicable Cartridge Weight	4 – 9 g
Overhang	14 mm
Cartridge	VM Type (Audio Technica AT-10)
Frequency Response	20 Hz – 22 kHz
Output Voltage	3.5 mV
Appropiate Stylus Pressure	2.5 g
Stylus	0.6 mil Spherical Diamond
Load Impedance	47 k ohms
***Power Requirements**	100/117/220/240V AC 50/60 Hz (General Export Model) 117 V AC 60 Hz (U.S.A./Canada Model) 220 V AC 50 Hz (Europe Model) 240 V AC 50 Hz (U.K./Australia Model)
Power Consumption	8.5 Watts
Dimensions (W x H x D)	440 x 160 x 380 mm 17-5/16" x 6-5/16" x 14-15/16"
Weight	7.0 kg (15-7/16 lbs)

EUR models: with cartridge except limited areas.
U.K. model: without cartridge.

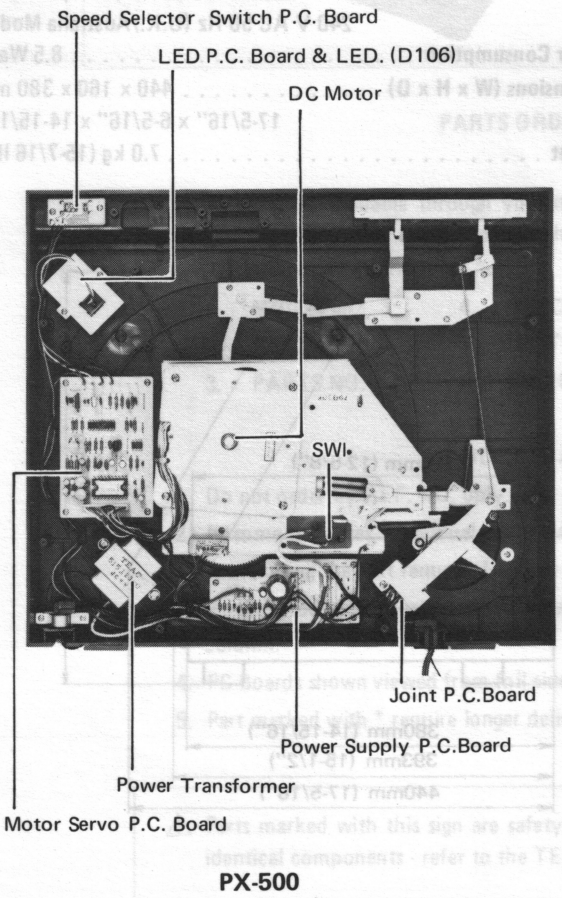


Dimensions

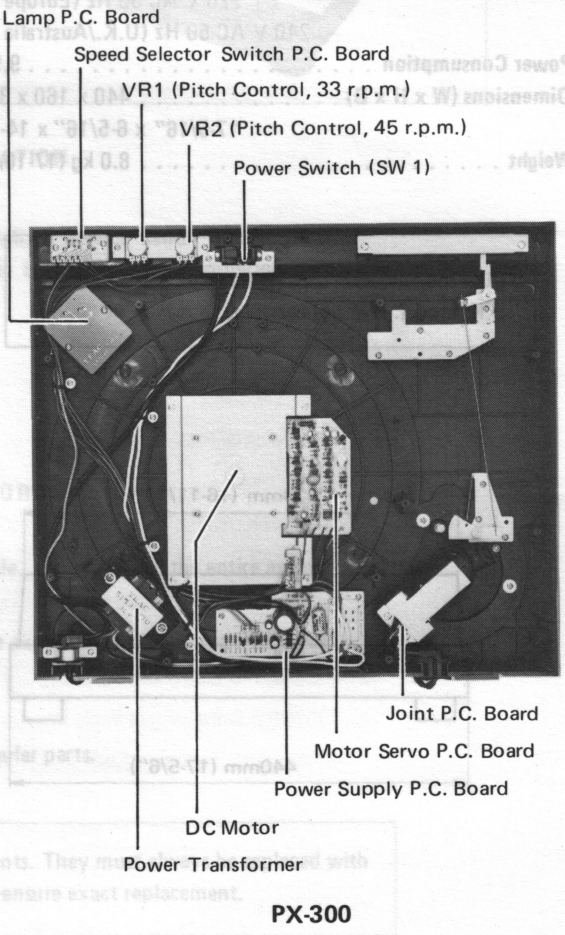
3. PARTS LOCATION



PX-500



PX-500



PX-300

4. DISASSEMBLY INSTRUCTIONS

4-1. DUST COVER

(1) Open dust cover.
(2) Slide out dust cover in the direction of the arrow (Fig. 4-1), and remove it.

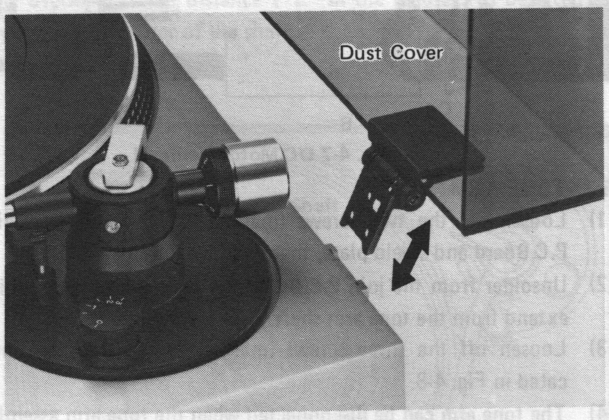


Fig. 4-1 Dust Cover Removal

4-2. HEADSHELL

(1) Rotate the locking nut at the end of tone arm in the direction of the arrow 2.
(2) Gently extract Headshell assembly from tone arm in the direction of the arrow 1.

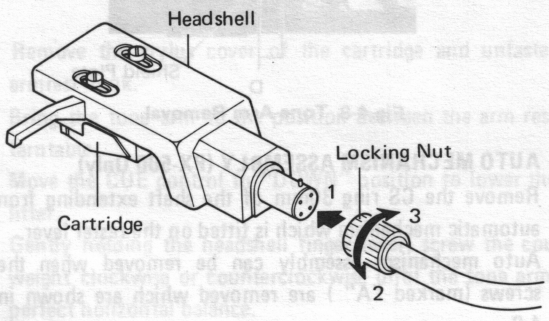
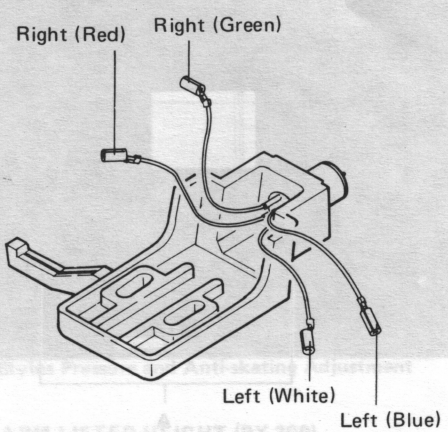


Fig 4-2 Headshell Removal

4-3. CARTRIDGE

(1) Remove headshell assembly as described in item 4-2.
(2) Disconnect four connecting tips of headshell lead wires from the cartridge output pins.
(3) Unscrew two cartridge mounting screws. Remove cartridge from headshell.
(4) Temporarily attach the newly replaced cartridge to headshell by lightly fastening two cartridge mounting screws.
(5) Attach four connecting wires to cartridge output pins. Refer to Fig. 4-3 when remounting Cartridge to the headshell.
(6) Attach the headshell by inserting it into the locking nut at the end of tone arm and sightly pushing it in the opposite direction of arrow 1 in Fig. 4-2. Rotate the locking nut in the oposite direction of arrow 3 in Fig. 4-2 and tighten it firmly.
(7) Make overhang adjustment referring to item 5-1, then secure two cartridge mounting screws. At this time, care must be taken so that cartridge is not tilted off the center line of the headshell.



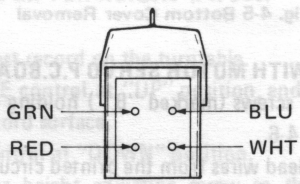


Fig 4-3 Cartridge Wiring diagram

4-4. STYLUS

(1) Remove the headshell as described in item 4-2.
(2) Holding the headshell, grasp both sides of the plastic stylus housing.
(3) Pull this out firmly from the cartridge in the direction indicated by the arrow.
(4) Slide the new stylus firmly into the cartridge in the opposite direction to the arrow, tracking care not to touch the tip. Fasten the tone arm to the armrest.

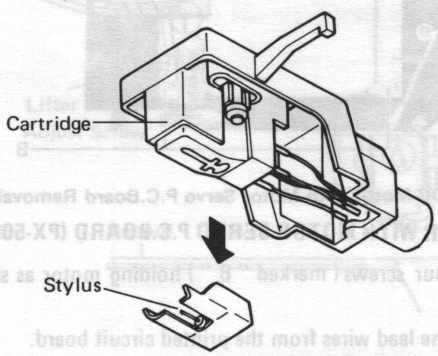


Fig 4-4 Stylus Replacement

4-5. BOTTOM COVER

(1) Remove the rubber and platter.
(2) Fasten the tone arm to the armrest.
(3) Remove the eight screws (marked "A") from the bottom cover as shown in Fig. 4-5.
(4) Carefully lift bottom cover upward from the cabinet.

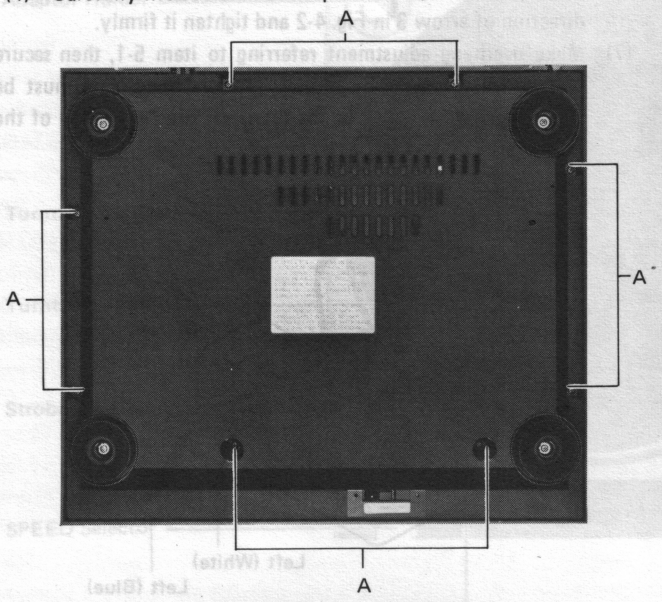


Fig. 4-5 Bottom Cover Removal

4-6. DC MOTOR WITH MOTOR SERVO P.C.BOARD (PX-300)

(1) Remove four screws (marked "B") holding motor bracket as shown in Fig. 4-6.
(2) Unsolder the lead wires from the printed circuit board.
(3) Bracket and DC motor (with Motor Servo P.C.Board) can be separated when the four screws (marked with "C") are removed.

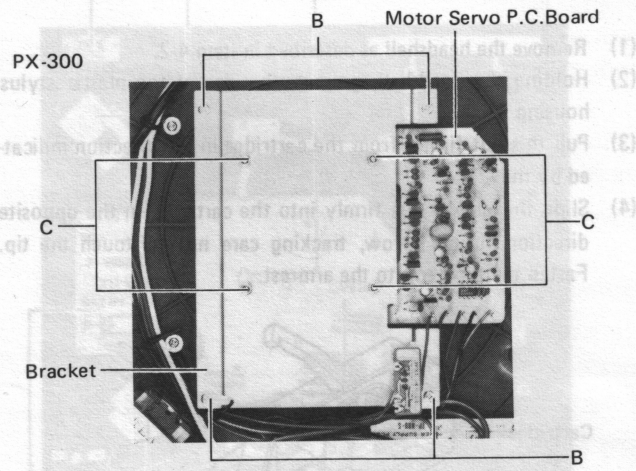


Fig. 4-6 DC Motor with Motor Servo P.C.Board Removal

DC MOTOR WITH MOTOR SERVO P.C.BOARD (PX-500)

(1) Remove four screws (marked " B ") holding motor as shown in Fig. 4-7.
(2) Unsolder the lead wires from the printed circuit board.
(3) Remove four screws (marked "C") as shown in Fig. 4-7.

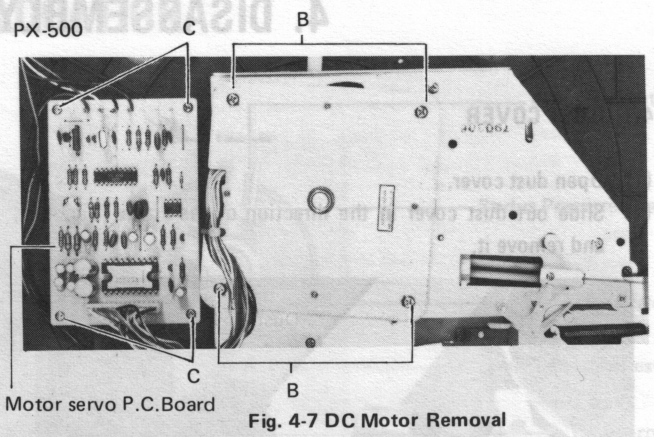


Fig. 4-7 DC Motor Removal

4-7. TONE ARM

(1) Loosen off the two screws (marked "D") which fits Joint P.C.Board and shield plate, then, remove the shield plate.
(2) Unsolder from the join P.C.Board the pickup lead wires which extend from the tone arm shaft.
(3) Loosen off the three screws (marked "E") which are indicated in Fig. 4-8.
(4) The tone arm can be disconnected when the tone arm assembly micro switch (SW 1) and heat sink are removed.

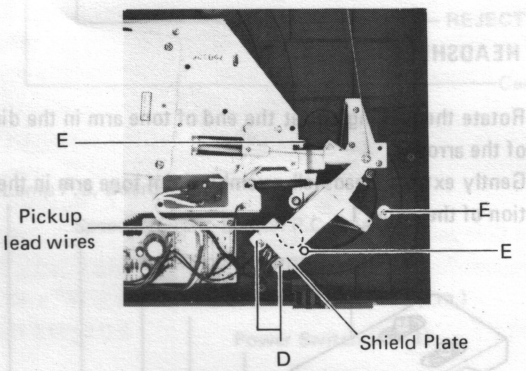


Fig.4-8 Tone Arm Removal

4-8. AUTO MECHANISM ASSEMBLY (PX-500 Only)

(1) Remove the CS ring 30mm of the shaft extending from the automatic mechanism which is fitted on the rester lever.
(2) Auto mechanism assembly can be removed when the five screws (marked "A") are removed which are shown in Fig. 4-9.
(3) The mechanism assembly is completely separated when the micro switch (SW 1) and heat sink are removed.

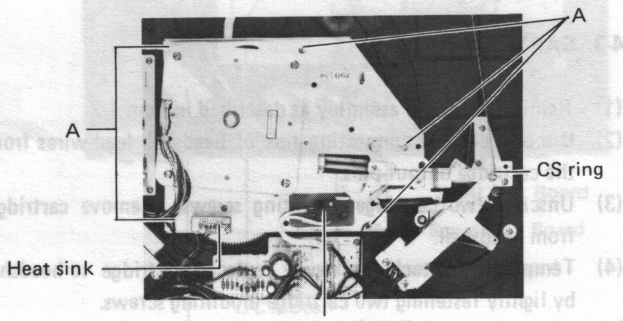


Fig. 4-9 Auto Mechanism Removal

5. ADJUSTMENTS

5-1 STYLUS OVERHANG

The arm overhang is factory adjusted. But in case you change the cartridge, adjust the overhang as follows:
The overhang of the tonearm is designed at 14mm as shown in the Figure 5-1.
The overhang is the distance ("L" in the Figure 5-1) between the stylus and the center of the shaft.

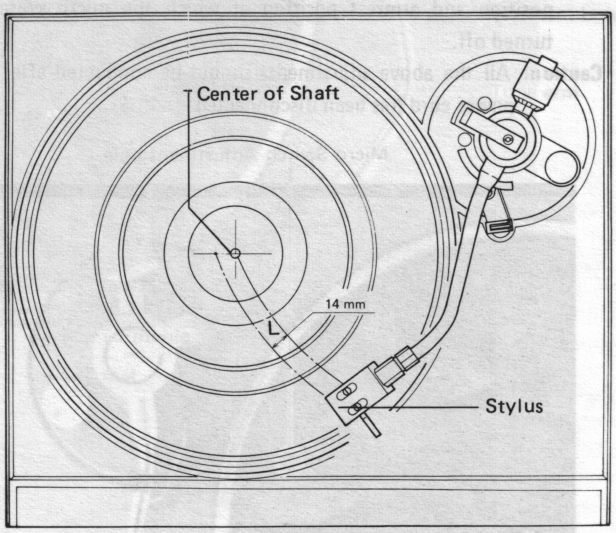


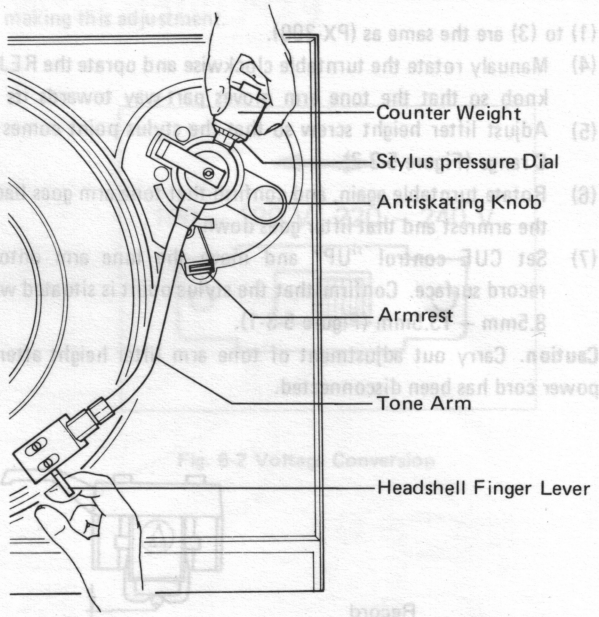
Fig. 5-1 Stylus Overhang Adjustment

5-2 STYLUS PRESURE

(1) Remove the stylus cover of the cartridge and unfasten the armrest hook.
(2) Bring the tone arm to the position between the arm rest and tarntable.
(3) Move the CUE control to "DOWN" position to lower the arm lifter.
(4) Gently holding the headshell finger lever, screw the counterweight clockwise or counterclockwise until the tone arm is in perfect holizontal balance.
(5) Zero gram stylus pressure is attained in this ballanced condition. Maintain the setting of the counterweight then the stylus presuure dial only so that "0" mark corresponds with the marker on the counterweight shaft.
(6) Numerals shown on the stylus pressure dial directing indicate the stylus pressure from "0' to "4" grams perturn. Turn the counterweight untiil the dial corresponds with stylus pressure (2.5g).

ANTI-SKATING

Match the anti-skating knob setting to correspond to the stylus precure.



5-2 Stylus Pressure and Anti-skating Adjustment

5-3. TONE ARM LIFTER HEIGHT (PX-300)

(1) Place any test record on the turntable.
(2) Set the CUE control at "UP" position, and move the tone arm over the record surface.
(3) Set CUE control at "DOWN" position.
(4) Adjust lifter height adjusting screw so that the distance A, which is shown in Figre 5-3, measures between 1.2mm and 1.6mm.
(5) Set CUE control "UP" and confirm that stylus point is situated within 8.5mm – 13.5mm. (Figure 5-3).

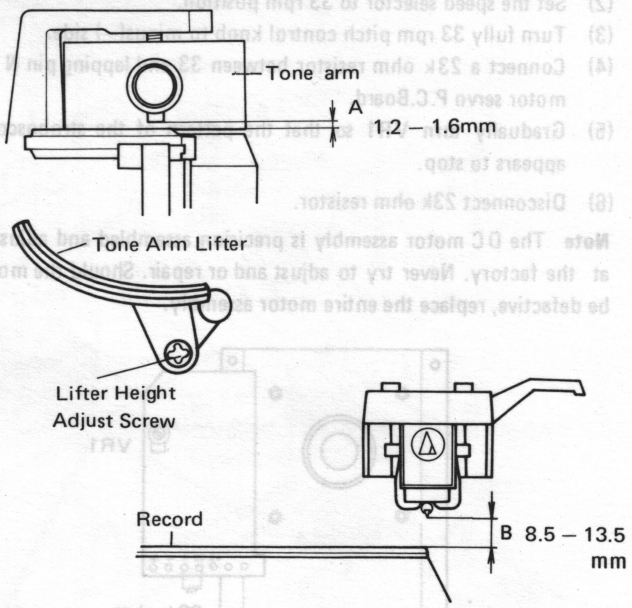


Fig. 5-3-1 Tone Arm Lifter Height (Cue) (PX-300)

TONE ARM LIFTER HEIGHT (PX-500)

(1) to (3) are the same as (PX-300).

(4) Manualy rotate the turntable clockwise and oprate the REJECT knob so that the tone arm moves part-way towards its rest.

(5) Adjust lifter height screw so that the stylus point comes into C range (Figure 5-3-2).

(6) Rotate turntable again, and confirm that tone arm goes back to the armrest and that lifter goes down.

(7) Set CUE control "UP" and move the tone arm onto the record surface. Confirm that the stylus point is situated within 8.5mm – 13.5mm (Figure 5-3-1).

Caution. Carry out adjustment of tone arm lifter height after the power cord has been disconnected.

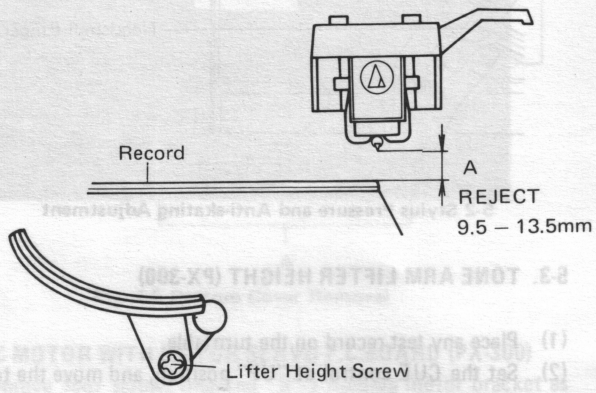


Fig. 5-3-2 Tone Arm Lifter Height (Reject) (PX-500)

5-4. MOTOR SPEED

(1) When the stroboscope pattern appears to be moving and the rated speed cannot be obtained by turning the pitch control semi-fixed resister (VR1) on the servo P.C.Board.

(2) Set the speed selector to 33 rpm position.

(3) Turn fully 33 rpm pitch control knob to minus(–) side.

(4) Connect a 23k ohm resistor between 33 and lapping pin N on motor servo P.C.Board.

(5) Gradually turn VR1 so that the pattern of the stroboscope appears to stop.

(6) Disconnect 23k ohm resistor.

Note The DC motor assembly is precision assembled and adjusted at the factory. Never try to adjust and or repair. Should the motor be defactive, replace the entire motor assembly.

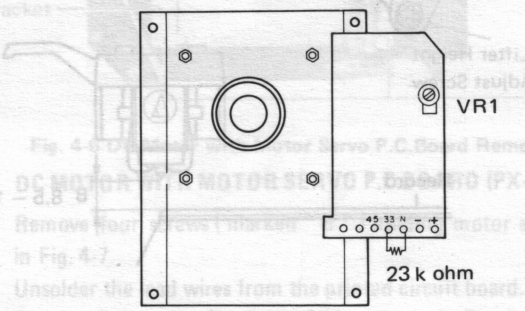


Fig. 5-4 Motor Speed Adjustment

5-5. MICRO SWITCH "ON/OFF" POSITION

(1) Move the tone arm and confirm that micro switch is turned on when the stylus point comes within R154mm to R160mm of the center of turntable platter. If, however the micro switch is not turned on, even when the needle point is within R154mm to R160mm range, remove the turntable platter and rubber mat, and adjust the automatic mechanism with screwdriver through the micro awitch adjustment opening, and confirm once again the position at which the micro-switch turns on.

(2) In returning the tone arm to the armrest confirm that there is a holizontal distance of 3mm or more between the tone arm position and armrest position at which the micro switch is turned off.

Caution: All the above adjustments should be conducted after the power cord has been disconnected.

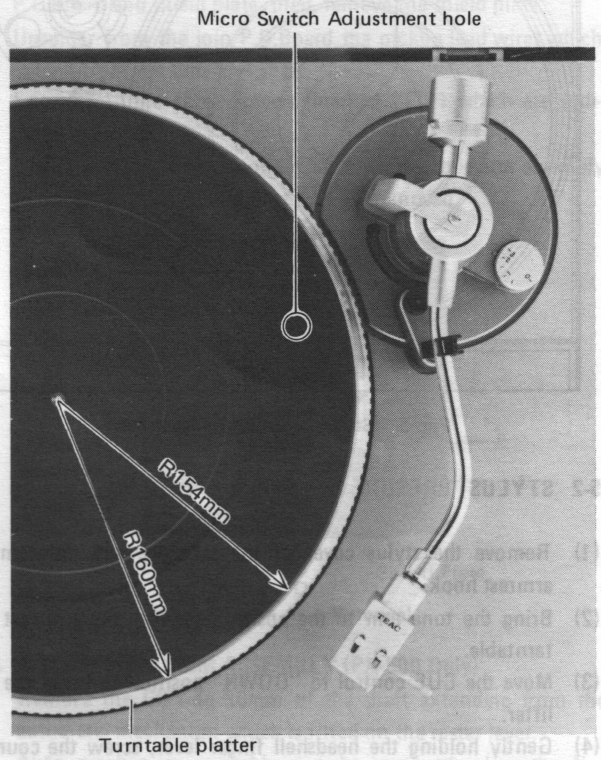


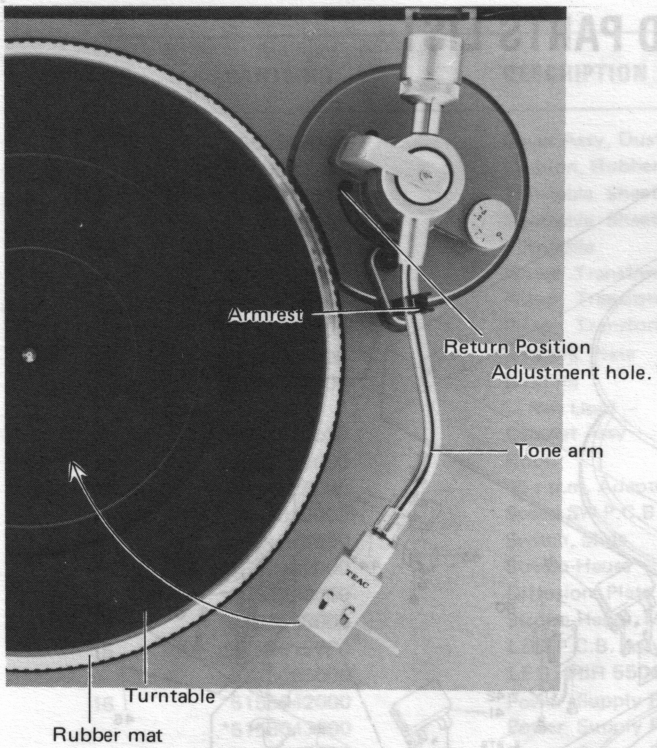
Fig5-5 Micro Switch "ON/OFF"

5-6. AUTO RETURN POSITION

(1) Place a record on the turntable and oprate.

(2) When tone arm reaches the end of the record, confirm that the tone arm returns to the armrest.

(3) If tone arm does not return or the auto mechanism oprates too soon, adjust the return position screw.



WARNING Disconnect mains lead from AC power outlet before making this adjustment.

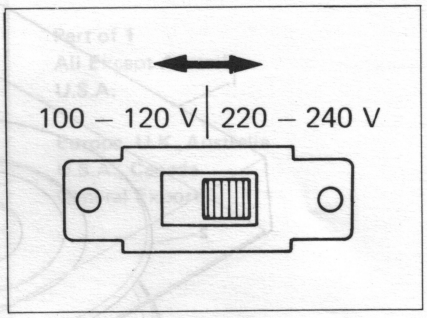


Fig. 6-2 Voltage Conversion

6. MEINTENANCE AND VOLTAGE CONVERSION

Whenever a Player System is brought in for service or repair, it should be cleaned. As maintenance equipment, TEAC TZ-261 Tape Recorder Cleaner Kit is recommended.

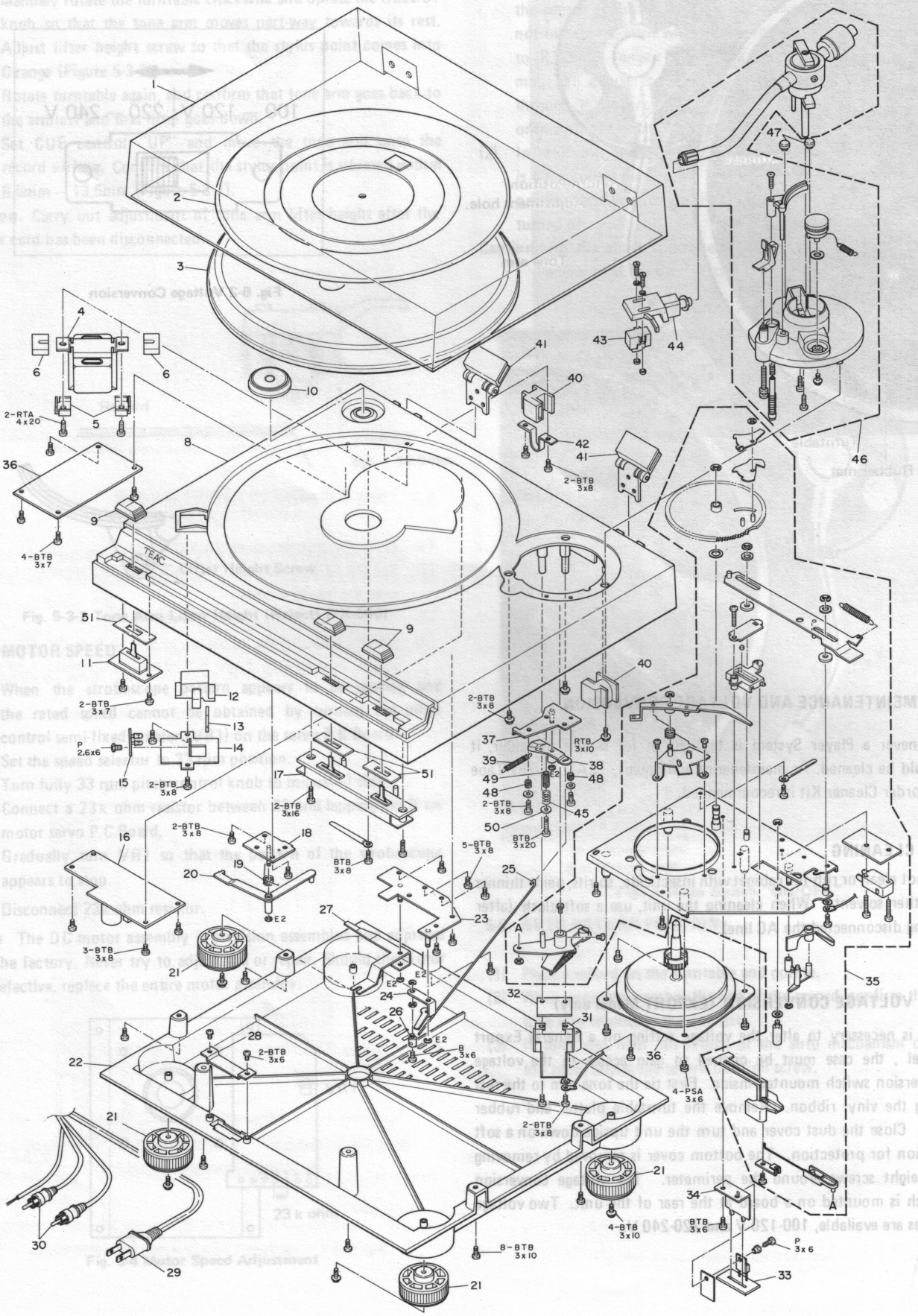
6-1. CLEANING

Do not clean or rub the cabinet with insecticide, spirits, paint thinner or other solvents. When cleaning the unit, use a soft cloth (after having disconnected the AC line).

6-2. VOLTAGE CONVERSION (EXPORT Model only)

If it is necessary to alter the voltage setting on a General Export Model , the case must be opened to gain access to the voltage conversion switch mounted inside. First tie the tone arm to the rest using the vinyl ribbon. Remove the turntable platter and rubber mat. Close the dust cover and turn the unit upside-down on a soft cushion for protection. The bottom cover is removed by removing the eight screws around the perimeter. The voltage conversion switch is mounted on a board at the rear of the unit. Two voltage ranges are available, 100-120 V and 220-240 V.

1. PX-500 SECTION
EXPLODED VIEW AND PARTS LIST

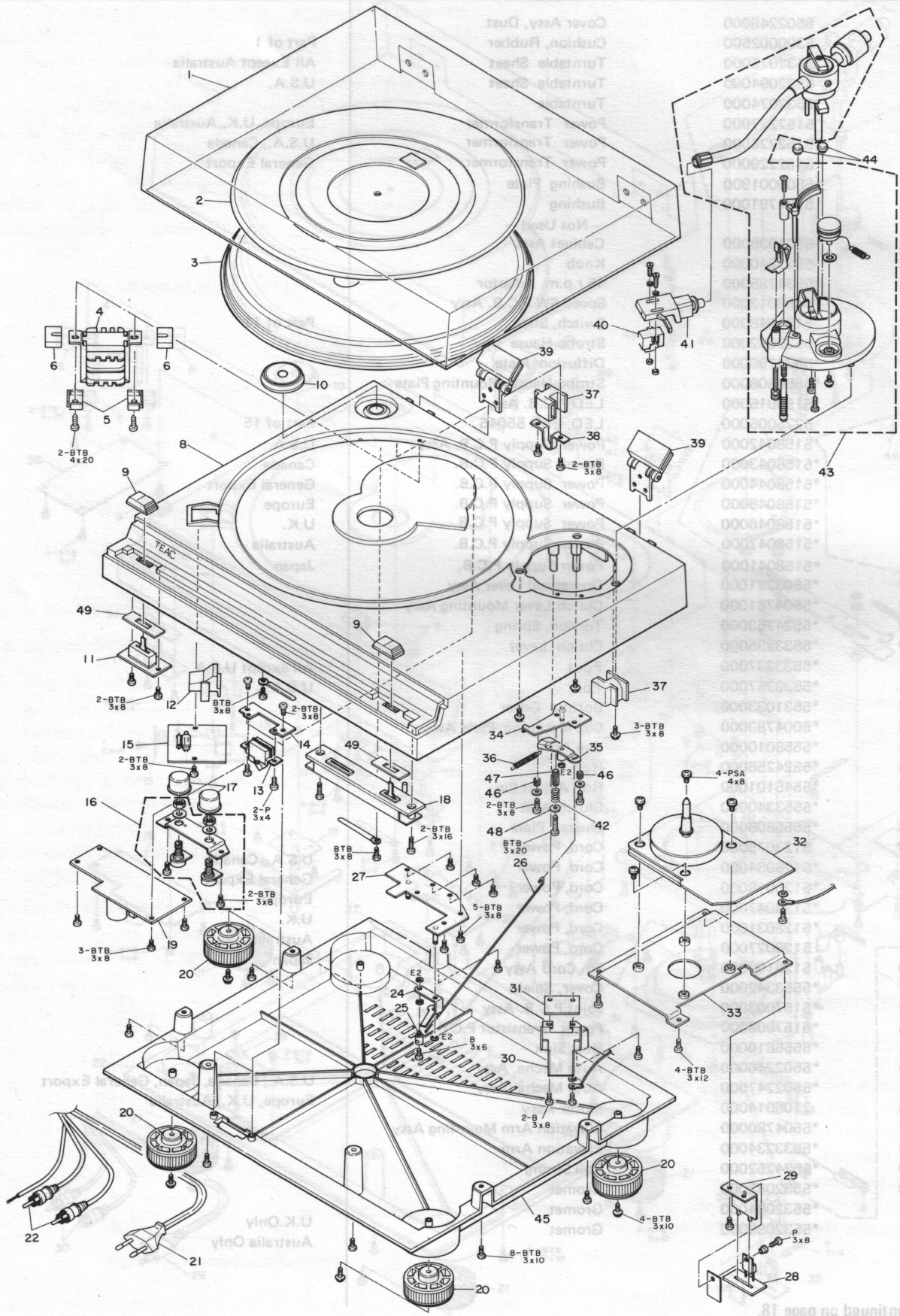


Parts marked with *require longer delivery time than regular parts.

REF NO.	PARTS NO.	DESCRIPTION	REMARKS
1	5502248000	Cover Assy, Dust	
	5300002500	Cushion, Rubber	Part of 1
2	5532075000	Turntable Sheet	All Except Australia
	5532094000	Turntable Sheet	U.S.A.
3	*5532074000	Turntable	
4	*5152227000	Power Transformer	Europe, U.K.,Australia
	*5152228000	Power Transformer	U.S.A., Canada
	*5152229000	Power Transformer	General Export
5	*5800001900	Bushing Plate	
6	*5534791000	Bushing	
7		— Not Used —	
8	*5501036000	Cabinet Assy	
9	5533240000	Knob	
10	*5534785000	45 r.p.m. Adaptor	
11	*5158012000	Speed SW P.C.B. Assy	
	5131048000	Switch, Slide	Part of 11
12	*5532082000	Strobo-Hause	
13	*5534790000	Diffusion Plate	
14	*5555808000	Strobo-Hause Mounting Plate	
15	*5158015000	LED P.C.B. Assy	
	5225005000	LED; EBR 55045	Part of 15
16	*5158042000	Power Supply P.C.B. Assy	U.S.A.
	*5158043000	Power Supply P.C.B.	Canada
	*5158044000	Power Supply P.C.B.	General Export
	*5158045000	Power Supply P.C.B.	Europe
	*5158046000	Power Supply P.C.B.	U.K.
	*5158047000	Power Supply P.C.B.	Australia
	*5158041000	Power Supply P.C.B.	Japan
17	*5503221000	Operation, Lever Assy	
18	*5504781000	Clutch Lever Mounting Assy	
19	*5524253000	Torsion, Spring	
20	*5533235000	Clutch Lever	
21	*5533237000	Foot	All except U.S.A.
	*5533257000	Foot	U.S.A.
22	*5531033000	Bottom Cover	
23	*5004783000	Cue Mounting, Plate Assy	
24	*5558010000	Cue Arm	
25	*5524256000	Rod	
26	*5545101000	Rod Adjust Pin	
27	*5553340000	Clutch Arm	
28	*5555806000	Shelter, Plate	
29	5123075000	Cord, Power	
	*5128034000	Cord, Power	U.S.A., Canada
	*5128018000	Cord, Power	General Export
	*5128047000	Cord, Power	Europe
	*5128031000	Cord, Power	U.K.
	5128027000	Cord, Power	Australia
30	5128100000	Pin Cord Assy	Japan
31	*5553342000	Cover, Shield	
32	*5157003000	Joint P.C.B. Assy	
33	*5157008000	Power Transistor P.C.B.	
34	*5555810000	Heat Sink	
35	*5502246000	Auto Mecha. Assy	
	*5502247000	Auto Mecha. Assy	U.S.A., Canada, Japan, General Export Europe, U.K., Australia
36	7106014000	Motor Assy	
37	*5504780000	Elavation Arm Mounting Assy	
38	*5533234000	Elavation Arm	
39	*5524252000	Coil Spring	
40	*5532083000	Gromet	
	*5532084000	Gromet	
	*5532085000	Gromet	U.K.Only Australia Only

Continued on page 18.

2. PX-300 SECTION
EXPLODED VIEW AND PARTS LIST

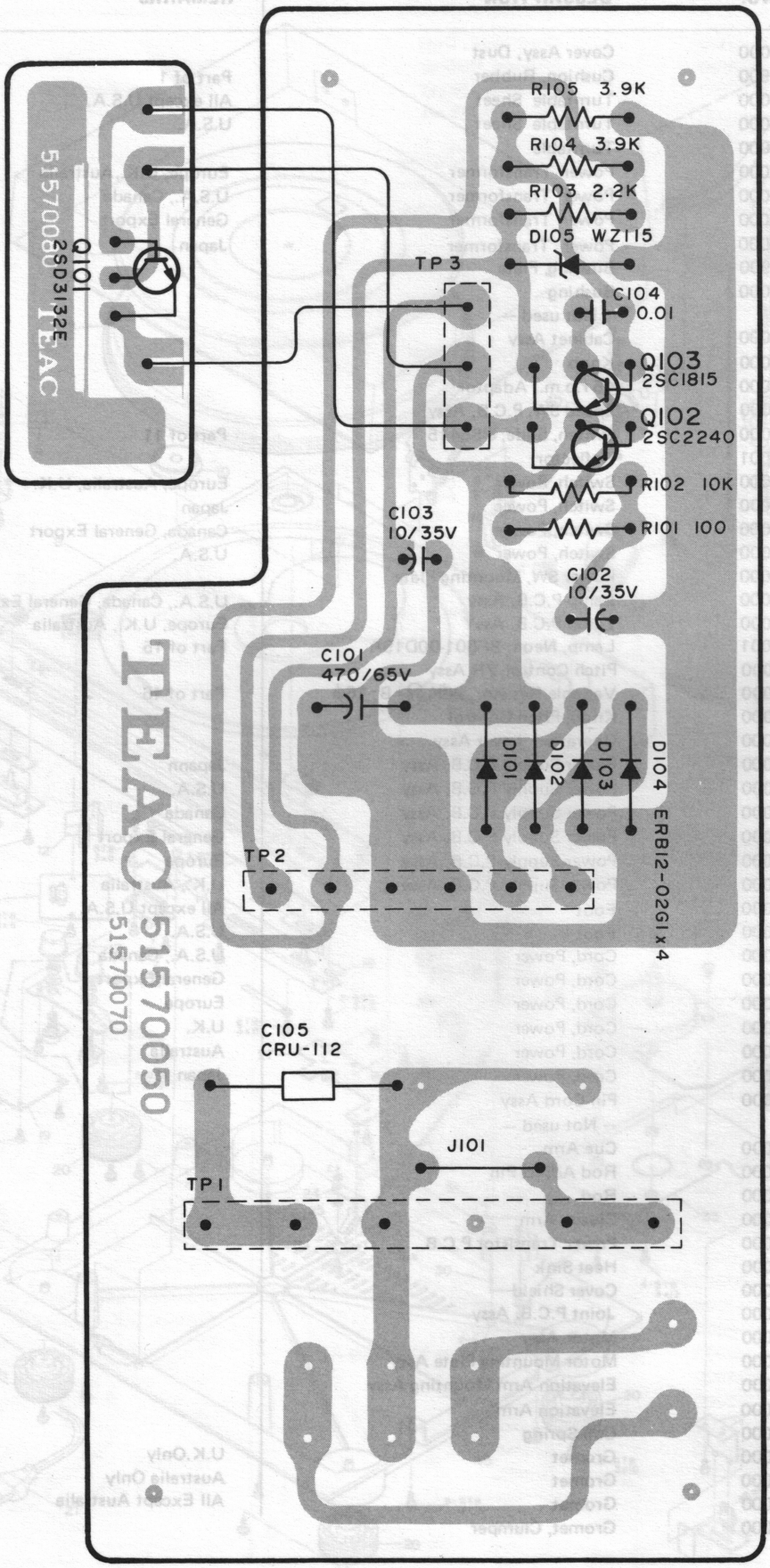


Parts marked with *require longer delivery time than regular parts.

REF NO.	PARTS NO.	DESCRIPTION	REMARKS
1	5532248000	Cover Assy, Dust	
	5800002500	Cushion, Rubber	Part of 1
2	5532075000	Turntable Sheet	All except U.S.A.
	5532094000	Turntable Sheet	U.S.A.
3	*5532073000	Turntable	
4	*5152227000	Power Transformer	Europe, U.K.,Australia
	*5152228000	Power Transformer	U.S.A., Canada
	*5152229000	Power Transformer	General Export
	*5152230000	Power Transformer	Japan
5	*5800001900	Bushing, Plate	
6	*5534791000	Bushing	
7		— Not used —	
8	*5501035000	Cabinet Assy	
9	5533239000	Knob	
10	*5534785000	45 r.p.m., Adaptor	
11	*5158011000	Speed SW, P.C.B. Assy	
	5131048000	Switch, Slide; J-S5415	Part of 11
12	*5533242001	Reflector	
13	*5134108000	Switch, Power	Europe, Australia, U.K.
	*5134109000	Switch, Power	Japan
	*5134110000	Switch, Power	Canada, General Export
	*5134118000	Switch, Power	U.S.A.
14	*5555878000	Power SW, Mounting Plate	
15	*5158014000	Lamp P.C.B. Assy	U.S.A., Canada, General Export , Japan
	*5158054000	Lamp P.C.B. AssY	Europe, U.K., Australia
	5142040001	Lamp, Neon; BF601-00D19A	Part of 15
16	*5503224000	Pitch Control VR Assy	
	5150259000	Variable Resistor, 20K Ω - B; 16φ	Part of 16
17	5534788000	Knob, Pitch Control	
18	*5503220000	Operation Lever Assy	
19	*5158007000	Power Supply P.C.B. Assy	Japann
	*5158036000	Power Supply P.C.B. Assy	U.S.A.
	*5158037000	Power Supply P.C.B. Assy	Canada
	*5158038000	Power Supply P.C.B. Assy	General Export
	*5158039000	Power Supply P.C.B. Assy	Europe
	*5158040000	Power Supply P.C.B. Assy	U.K., Australia
20	*5533237000	Foot	All except U.S.A.
	*5533257000	Foot	U.S.A.
21	5128075000	Cord, Power	U.S.A., Canada
	*5128034000	Cord, Power	General Export
	*5128018000	Cord, Power	Europe
	*5128047000	Cord, Power	U.K.
	*5128031000	Cord, Power	Australia
	5128027000	Cord, Power	Japan
22	5128100000	Pin Cord Assy	
23		— Not used —	
24	*5555801000	Cue Arm	
25	*5545101000	Rod Adjust Pin	
26	*5524256000	Rod	
27	*5553340000	Clutch Arm	
28	*5157008000	Power Transistor P.C.B.	
29	*5555810000	Heat Sink	
30	*5553342000	Cover Shield	
31	*5157003000	Joint P.C.B. Assy	
32	*7106013000	Motor Assy	
33	*5503230000	Motor Mounting Plate Assy	
34	*5504780000	Elevation Arm Mounting Assy	
35	*5533234000	Elevation Arm	
36	*5524252000	Coil Spring	
37	*5532083000	Gromet	U.K.Only
	*5532084000	Gromet	Australia Only
	*5532085000	Gromet	All Except Australia
38	*5555809000	Gromet, Clumper	

Continued on page 18.

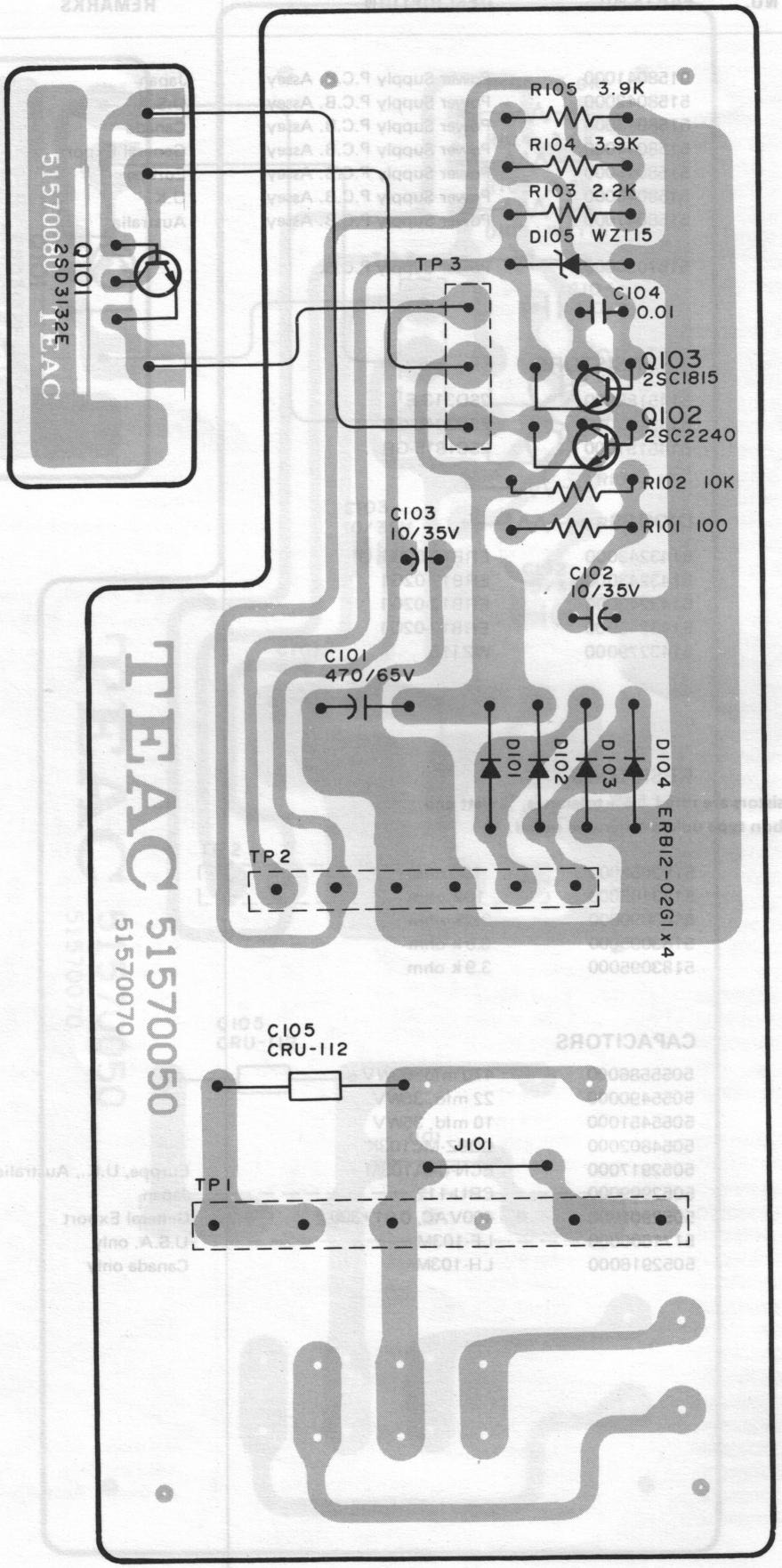
3. PX-500 SECTION
P.C. BOARD AND PARTS LIST



POWER SUPPLY P.C.B. Assey

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	5158041000	Power Supply P.C.B. Assey	Japan
	5158042000	Power Supply P.C.B. Assey	U.S.A.
	5158043000	Power Supply P.C.B. Assey	Canada
	5158044000	Power Supply P.C.B. Assey	General Export
	5158045000	Power Supply P.C.B. Assey	Europe
	5158046000	Power Supply P.C.B. Assey	U.K.
	5158047000	Power Supply P.C.B. Assey	Australia
	5157050000	Power Supply P.C.B.	
	TRANSISTORS		
Q101	5145188000	2SD313-E	
Q102	5145153000	2SC2240-GR	
Q103	5145151000	2SC1815-GR	
	DIODES		
D101	5143243000	ERB12-02G1	
D102	5143243000	ERB12-02G1	
D103	5143243000	ERB12-02G1	
D104	5143243000	ERB12-02G1	
D105	5143279000	WZ115	
	RESISTORS		
	All resistors are rated ± 5% tolerance, ¼ watt and of carbon type unless otherwise noted.		
R101	5183058000	100 ohm	
R102	5183106000	10k ohm	
R103	5183090000	2.2k ohm	
R104	5183095000	3.9k ohm	
R105	5183095000	3.9k ohm	
	CAPACITORS		
C101	5055586000	470 mfd, 63WV	
C102	5055490000	22 mfd, 35WV	
C103	5055451000	10 mfd, 35WV	
C104	5054802000	CQ9Z-MC103K	
C105	5052917000	ECN-C4A103M	Europe, U.K., Australia
C105	5052909000	CRU-112	Japan
C105	5052907000	400VAC, 0.01+300	General Export
C105	5171606000	LF-103M	U.S.A. only
C105	5052916000	LH-103M	Canada only

4. PX-300 SECTION
P.C. BOARD AND PARTS LIST



POWER SUPPLY P.C.B. Assey

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	5158007000	Power Supply P.C.B. Assey	Japan
	5158036000	Power Supply P.C.B. Assey	U.S.A.
	5158037000	Power Supply P.C.B. Assey	Canada
	5157038000	Power Supply P.C.B. Assey	General Export
	5157039000	Power Supply P.C.B. Assey	Europe
	5157040000	Power Supply P.C.B. Assey	U.K., Australia
	5157005000	Power Spply P.C.B.	
	TRANSISTORS		
Q101	5145188000	2SD313-E	
Q102	5145153000	2SC2240-GR	
Q103	5145151000	2SC1815-GR	
	DIODES		
D101	5143243000	ERB12-02G1	
D102	5143243000	ERB12-02G1	
D103	5143243000	ERB12-02G1	
D104	5143243000	ERB12-02G1	
D105	5143279000	WZ115	
	RESISTORS		
	All resistors are rated ± 5% tolerance, ¼ watt and of carbon type unless otherwise noted.		
R101	5183058000	100 ohm	
R102	5183106000	10k ohm	
R103	5183090000	2.2k ohm	
R104	5183095000	3.9k ohm	
R105	5183095000	3.9k ohm	
	CAPACITORS		
C101	5055586000	470 mfd, 63WV	
C102	5055490000	22 mfd, 35WV	
C103	5055451000	10 mfd, 35WV	
C104	5054802000	CQ9Z-MC103K	
C105	5052917000	ECN-C4A103M	Europe, U.K., Australia
C105	5052909000	CRU-112	Japan
C105	5052913000	CRM-4	General Export only
C105	5052916000	LH-103M	Canada only
C105	5171606000	LF-103M	U.S.A. only

(Continued from page 11) (PX-500)

Parts marked with *require longer delivery time than regular parts.

REF NO.	PARTS NO.	PARTS NO.	REMARKS
41	*5533238000	Hing	
42	*5555809000	Gromet Clumper	
43	5503226000	Cartridge Assy	
44	5502264000	Headshell Assy	
45	*5524320000	Cue Spring	
46	*5502244000	Tone Arm Assy	
	*5532071000	Tone Arm B	Part of 45
	*5504827000	Counter Weight B Assy	Part of 45
47	*5534786000	Rubber Cap	
48	*5545231000	Color A	
49	*5545232000	Color B	
50	*5555797000	Washer	
51	*5800016400	Sheet, Knob	
	Included Accessories		
	5101689000	PX-500 Owner's Manual	Japan
	5101690000	PX-500 Owner's Manual	U.S.A.
	5101691000	PX-500 Owner's Manual	All except Japan & U.S.A.

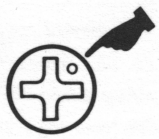
(Continued from page 13) (PX-300)

Parts marked with *require longer delivery time than regular parts.

REF NO.	PARTS NO.	DESCRIPTION	REMARKS
39	*5533238000	Hinge	
40	5503226000	Cartrigde Assy	
41	5502263000	Headshell Assy	
42	*5524320000	Cue Spring	
43	*5502243003	Tone Arm Assy	
	5532070003	Tone Arm	Part of 42
	5504826001	Counter Weight	Part of 42
44	*5534786000	Rubber Cap	
45	*5531033000	Bottom Cover	
46	*5545231000	Color A	
47	*5545232000	Color B	
48	*5555797000	Washer	
49	*5800016400	Sheet, Knob	
	Included Accessories		
	5101686000	PX-300 Owner's Manual	Japan
	5101687000	PX-300 Owner's Manual	U.S.A
	5101688000	PX-300 Owner's Manual	All except Japan & U.S.A.

ASSEMBLING HARDWARE CODING LIST

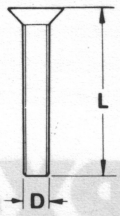
All screws conform to ISO standards, and have crossrecessed heads, unless otherwise noted.
ISO screws have the head inscribed with a point as in the figure to the right.

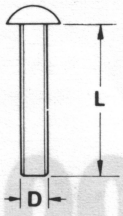


FOR EXAMPLE:

B M 3 x 6

- Length in mm (L)
- Diameter in mm (D) *
- Metric System
- Nomenclature





* Inner dia. for washers and nuts

	Code	Name	Type
MACHINE SCREW	**R**	Round Head Screw	
	P	Pan Head Screw	
	T	Stove Head Screw (Truss)	
	B	Binding Head Screw	
	F	Flat Countersunk Head Screw	
	O	Oval Countersunk Head Screw	
WOOD SCREW	**RW**	Round Head Wood Screw	
	FW	Flat Countersunk Wood Screw	
	OW	Oval Countersunk Wood Screw	
SEMS SCREW	**BSA**	Binding Head SEMS Screw(A Type)	
	BSB	Binding Head SEMS Screw(B Type)	
	BSF	Binding Head SEMS Screw(F Type)	
	PSA	Pan Head SEMS Screw(A Type)	
	PSB	Pan Head SEMS Screw(B Type)	

	Code	Name	Type
TAPPING SCREW	**BTA**	Binding Head Tapping Screw(A Type)	
	BTB	Binding Head Tapping Screw(B Type)	
	RTA	Round Head Tapping Screw(A Type)	
	RTB	Round Head Tapping Screw(B Type)	
SETSCREW	**SF**	Hex Socket Setscrew(Flat Point)	
	SC	Hex Socket Setscrew(Cup Point)	
	SS	Slotted Socket Setscrew(Flat Point)	
WASHER	**E**	E-Ring (Retaining Washer)	
	W	Flat Washer (Plain)	
	SW	Lock Washer (Spring)	
	LWI	Lock Washer (Internal Teeth)	
	LWE	Lock Washer (External Teeth)	
	TW	Trim Washer (Countersunk)	
NUT	**N**	Hex Nut	

PX-500/PX-300

TEAC®

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